Part 1 General

1.1 Summary
A. This section includes products to assist in controlling the effects of the sun.

B. Related work specified elsewhere
   1. _________ Concrete Section
   2. _________ Sheet Metal Work Section
   3. _________ Glazed Aluminum Curtain Wall Section

C. Work included in this section.
   The extent of the extruded aluminum sunshade system is shown on the contract
   drawings and hereby defined to include all sunshade devices of the type shown and
   specified herein.

1.1 Industry Standard
A. Reference:
   Products and executions are specified in this section by reference to the following
   industry and/or trade specifications or standards of the following:

   National Association of Architectural Metal Manufacturers (NAAMM), the Aluminum
   Association (AA), American Architectural Manufacturers Association (AAMA).

1.2 Qualifications
A. Manufacturers:
   a. Standard
   For the purpose of designation type and quality for the work under this section,
   drawings and specifications are based on the products manufactured by

   Architectural Grilles and Sunshades, Inc. (AGS, Inc.)
   Address: 22442 S. Fey Dr • Frankfort, IL 60423
   Phone: (708) 479-9458 ext. 23 • Fax: (708) 479-9478
   Contact: Eric Niemeyer (e-mail: eric@agsshade.com)
1.3 Submittals:
A. Product data: Manufacturers technical and descriptive data.

B. Shop Drawings:
   a. Submit for architect’s approval prior to commencement of any work or fabrication under this section, ________ sets of detail shop drawings showing all areas of work profiles and sections of all components, finishes and fastening details.

C. Structural Calculations: submit comprehensive analysis of design loads, dead, live, snow, wind and thermal movements. Calculations shall be stamped and signed by a professional engineer registered in the jurisdiction where the project is located.

D. Warranties:
   a. The work in this section shall be guaranteed against defects in material and workmanship for a period of one (1) year from date of acceptance of the building. Contractor shall replace and repair any defects at no cost to the owner.

1.4 Components:
A. Shipping and Handling:
   Deliver materials to the job site ready for erection. Assembled units to be packaged and shipped to prevent damage during freight and storage on site.
PART 2 PRODUCTS

2.1 Materials:
A. General: Metal shall be free from defects impairing strength, durability or appearance.


2. Fasteners – Unless otherwise noted, fasteners shall be 300 series non-magnetic stainless steel. ASTM A-307, grade A or better.

2.2 Components:
A. Sunshades component shall be AGS, Inc. 5” Planer Blade PB-057 - 6063 T5 extruded Aluminum.

B. Outriggers shall be AGS, Inc. 5” x ¼” Plate - 6063 T5 extruded aluminum.

B. Fascia to be AGS, Inc. AGS, Inc. 2” x 5” Tube T-050- 6063 T5 extruded aluminum.

C. Components to be shop assembled in large practical sections— to allow for immediate erection.

2.3 Aluminum Finish:

OR

A. Bronze anodic finish: AA-M12C22A41 (Mechanical Finish: Chemical finished: etched, medium matte; anodic coating: Architectural class I, clear coating 0.018 mm or thicker) complying with AAMA 607.1.
PART 3 – EXECUTION:

3.1 Field Dimensions:
A. Verify conditions: Examine areas where work is to be performed and identify any conditions that could be detrimental to proper or timely completion.

B. General Contractor Shall field confirm openings and elevations as shown on shop drawings prior to fabrication.

C. Installation should not proceed until all conditions are satisfactory.

3.2 Erection:
A. Qualified installer needs to comply with manufacturer’s installation instructions.

B. Verify all dimensions and the supporting structure and provide accurate field measurements, so that the sunshades will be properly designed, fabricated and fitted to the structure.

C. Anchor Sunshade to the building per the architectural drawings.

D. A maximum of +/- 1/8” tolerance between any column to column spacing is acceptable.

E. Do not cut or trim any Sunshade components without written approval by AGS, Inc.

F. Do not erect any damaged or deformed members. Remove or replace any damaged members in the erection process as directed by AGS, Inc.

G. Set Sunshade units level, plumb, with uniform joints. Qualified installer to erect after all adjacent painting, roofing and masonry has been completed.

3.3 Cleaning:
Clean exterior Sunshades surfaces to prevent buildup of dust and debris, refer to AGS, Inc. cleaning instructions based on the finish of the material

3.4 Protection:
Protect Sunshade materials after installation to prevent damage by other tradespersons.

End of Section 10705